

# ***U.S. Army Simulation, Training and Instrumentation Command***

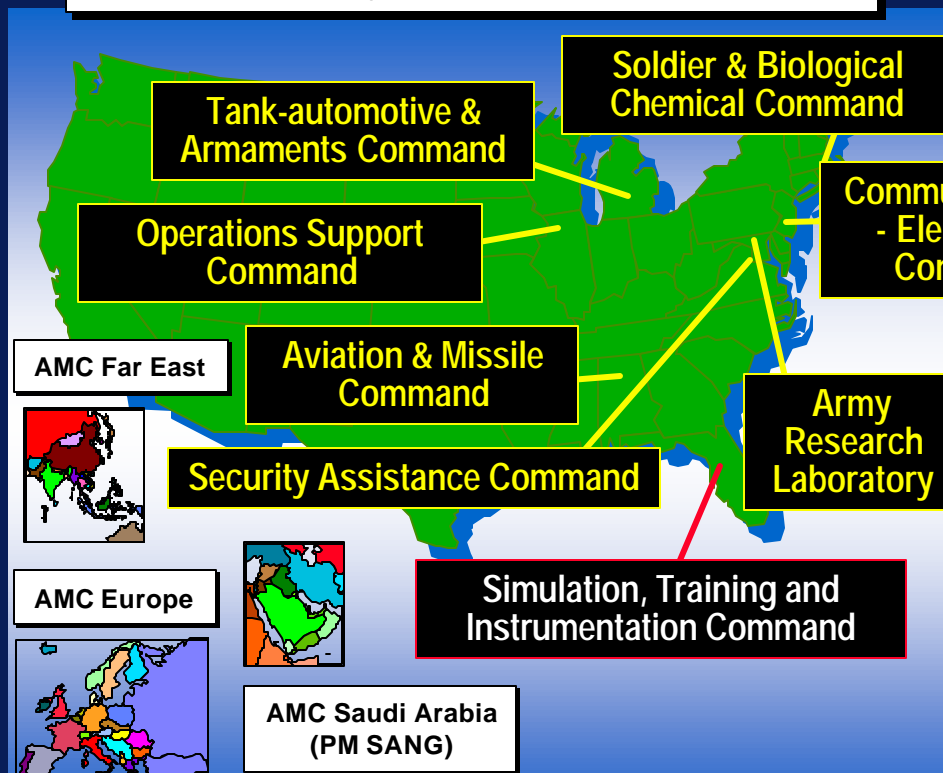


## ***Command Brief***



# America's Arsenal for the Brave

## U.S. Army Materiel Command



**STRICOM -- One of Eight Major Subordinate Commands of AMC**





# ***Industry Partners within the Community***

AcuSoft, Inc.  
Advanced Engineering & Research  
Advanced Information System  
Advanced Interactive Systems Group  
Advanced Systems Technology  
Aegis Technologies Group  
Aerosystems International  
AHTNA Development Corporation  
American Systems Corporations  
Anteon Corporation  
Applied Simulation Corporation  
Boeing Aerospace  
Booz-Allen & Hamilton  
CACI, Inc.  
Cadence Design Systems  
CAE  
Camber Corporation  
Contact Point  
CSC  
Cubic Defense Systems  
Digital System Resources  
Digitec  
Dimensions International  
Dynamics Research  
DynCorp  
ECC International Corporation  
EDS Federal  
Engineering & Computer Simulations

Engineering Systems Solutions  
Environmental Tectonics Corporation  
GRC International  
L-3 Communications  
Litton TASC, Inc.  
Lockheed Martin Information Systems  
Maxim Group  
Metters Industries  
MODIS Technologies  
MRJ Technology Solutions

Paradigm Technologies, Inc.  
Pulau Electronics  
Raytheon Company  
SAAB Training  
Science Applications Int'l Corporation  
SGI  
Southwest Research Institute  
TAMSCO  
Techware Corporation  
TRW Data Technologies





# Florida Simulation Center

Army Simulation Training  
& Instrumentation Command

Naval Air Warfare Center  
Training Systems Division

Joint Simulation System

Marine Corps Systems Command  
Program Manager  
for Training Systems

Air Force Agency  
For Modeling &  
Simulation

United States  
Coast Guard

University of  
South Florida

University of Central  
Florida & Institute  
for  
Simulation &  
Training

Army Research  
Institute

Kennedy Space Center

National Center  
for Simulation

Florida High Tech  
Corridor Council

Orlando Regional  
Chamber of Commerce

Economic Development  
Commission of Mid-Florida







# STRICOM History

1950   1965   1974 - 76   1988   1990   1992   1992-93   1993-97   1998-99

Army Participation Group  
Formed at Long Island, NY  
by Coordination of Army  
and Navy Secretariats

Army Participation Group  
Moved to Orlando, FL

Army Participation Group Changed  
to Army Training Device Agency  
PM Training Devices Formed at  
Ft Benning, GA

PM Training Devices  
Moved to Central  
Florida Research Park

PM Training Devices Moved to  
Orlando, FL

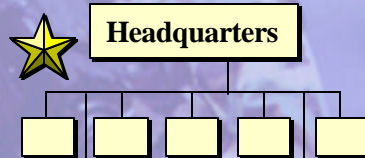
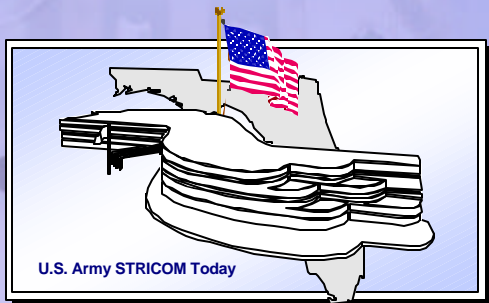
Army Training Device Agency  
Dissolved

Put Training Devices and  
Instrumentation, Targets,  
Threat Simulators  
Together & added a  
Headquarters

Added  
Combined Arms PM For  
Collective Training

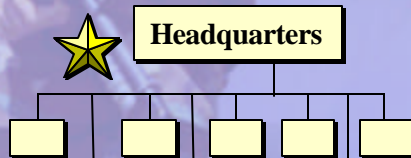
Added PM Distributed  
Interactive Simulation  
(1991 Army Science  
Board Study)

Institute for Creative  
Technologies



PM Instrumentation, Targets  
and Threat Simulators

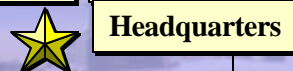
PM Training  
Devices



PM Instrumentation,  
Targets  
and Threat Simulators

PM  
Training  
Devices

PM Combined  
Arms Tactical  
Trainer



PM Instrumentation, Targets  
and Threat Simulators

PM Training  
Devices

PM Combined  
Arms Tactical  
Trainer

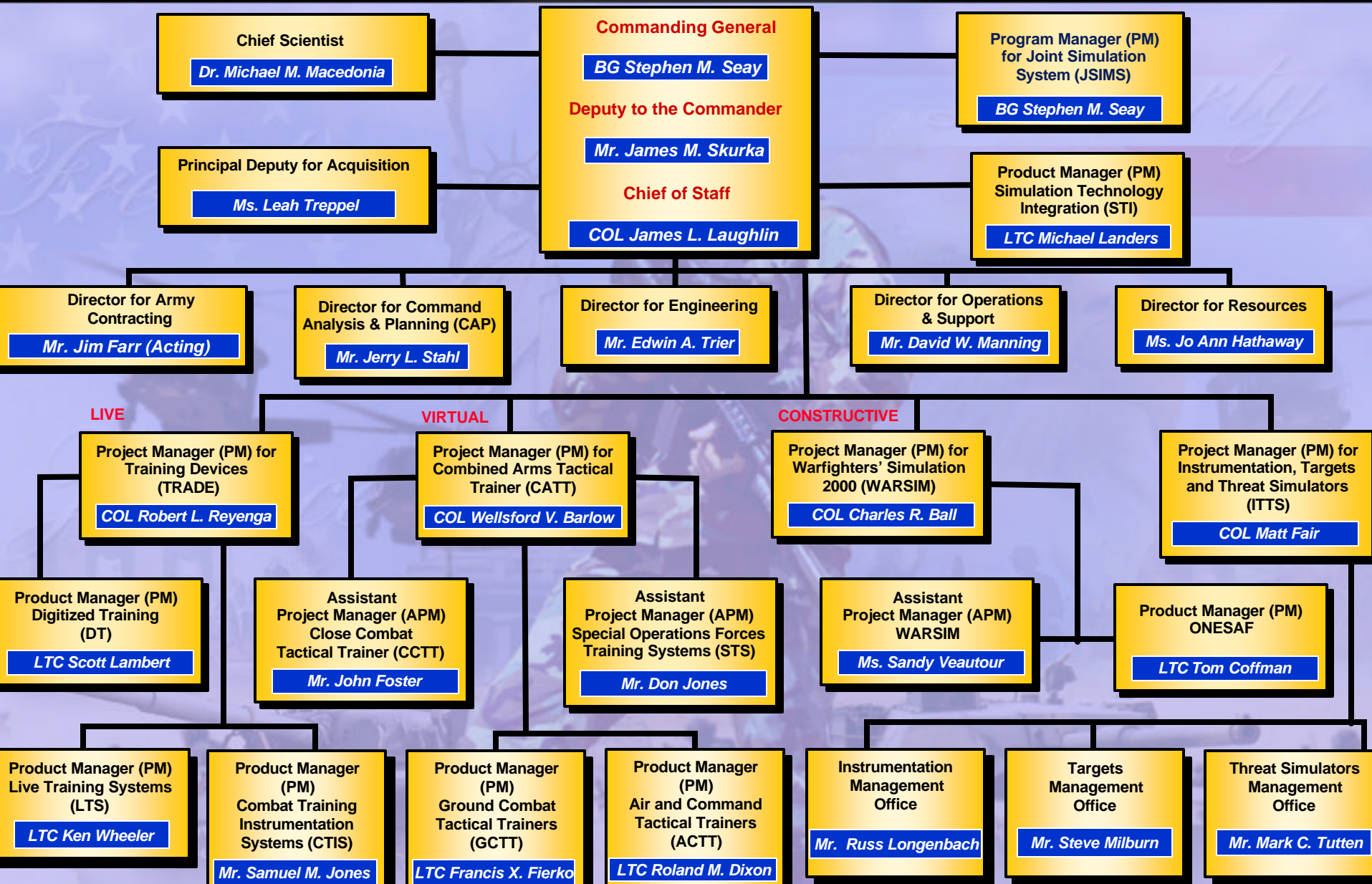
PM Distributed Interactive Simulation

PM Advanced Distributed Simulation

PM Warfighters Simulation



# STRICOM/JSIMS Organization







# ***Ongoing Community Activities***

- **Combined Federal Campaign**
- **Blood Drive**
- **Armed Forces Day**
- **Savings Bond Campaign**
- **Junior Achievement**
- **Daughters & Sons to Work Day**



# ***Economic Impact of M&S to Central Florida***

**Total Economic  
Impact to  
Central Florida**

**\$1.85 Billion**

**Annual  
Earnings**

**\$642 Million**

**State Tax  
Revenue**

**\$19 Million**

**Employment**

**50,500 Jobs**

**Local Tax Revenues**

**\$32 Million**

**Average Annual Salary**

**\$52,000**

**Source: National Center for Simulation, Economic Development  
Commission of Mid-Florida and the Florida High Tech Corridor,  
October 1999**





# ***Simulation Applications***

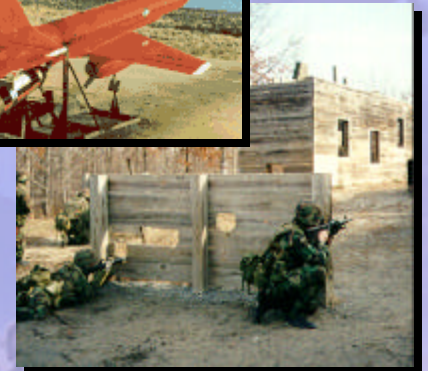
## **Advanced Concepts & Requirements (ACR)**



## **Research, Development & Acquisition (RDA)**



## **Training, Exercises & Military Operations (TEMO)**



**STRICOM Supports All Three Domains**



# ***STRICOM Vision***

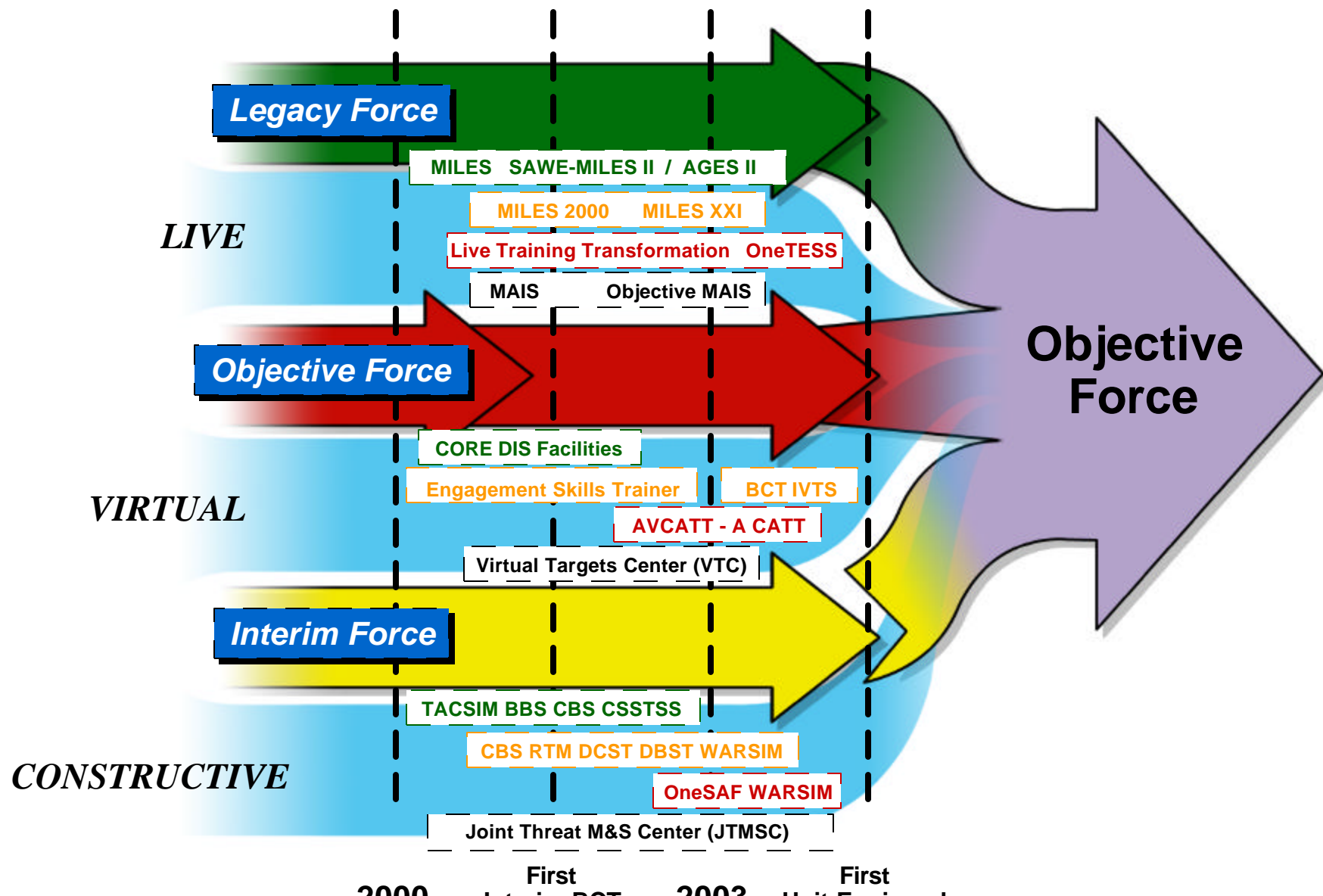
***On Point for the Army in  
Interoperable Training, Testing,  
Instrumentation, and Simulation  
Solutions for the Army's  
Transformation  
to the Objective Force!***





# ***STRICOMs Role in Army Transformation***

**Development of a Simulation Environment for Full Spectrum Operations**





# Simulation and Modeling for Acquisition, Requirements and Training - SMART

A

B

C

Concept & Technology Development

System Development & Demonstration

Production & Deployment

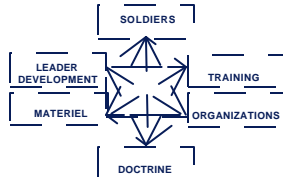
Operations & Support

ACR

TEMO

RDA

TRADOC PAMPHLET 71-9  
FORCE DEVELOPMENT  
REQUIREMENTS DETERMINATION

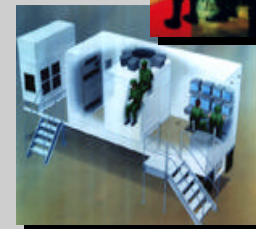


DISTRIBUTION RESTRICTIONS:  
Approved for public release; distribution unlimited

Virtual Factory



Virtual Targets



Requirements Generation

Core DIS Facilities

Battle Labs

Simulation  
Based Design

Virtual Proving  
Ground

Training  
Mission  
Rehearsal

Live  
Virtual  
Constructive

Soldier in the Loop C4I Simulation / Stimulation

Common Synthetic Environment

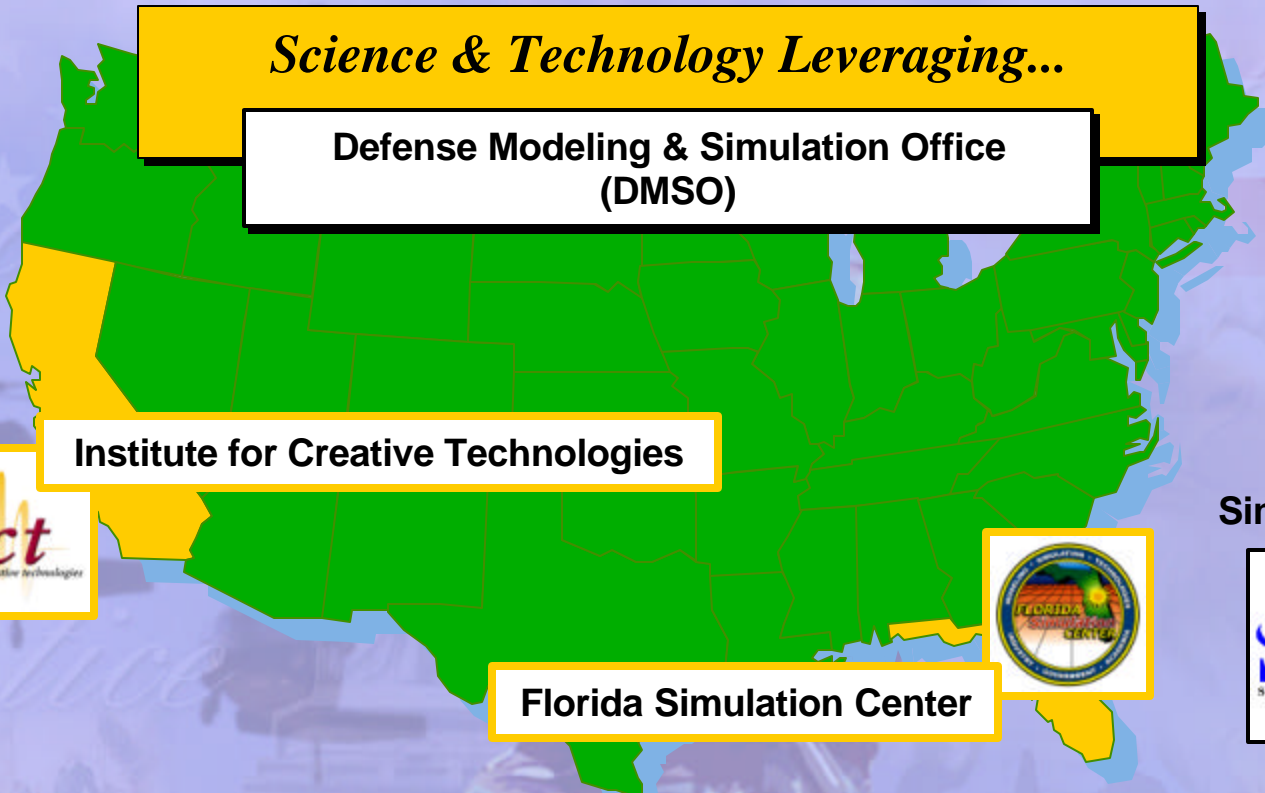




# Focused Science & Technology Base



Live  
Simulation  
Technology



*Science & Technology Leveraging...*

Defense Modeling & Simulation Office  
(DMSO)

Institute for Creative Technologies



Florida Simulation Center



Technology  
Development  
Center



Innovative  
Simulation Concepts



Synthetic  
Natural  
Environments



Advanced  
Distributed  
Simulation  
Technology



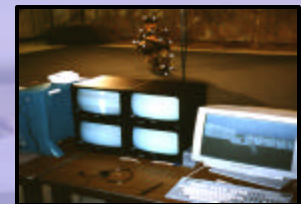
Medical  
Simulation  
Technology

Advanced  
Distributed  
Learning



Intelligent  
Agents

Immersive  
Simulation  
Technology



# Life Cycle Support

\$2.7B Inventory Value of Fielded Systems

Virtual Logistics . . . 96% Outsourced

40% O&S Cost Savings through Contract Consolidation



## MISSION

- Sustain Army training through total Life Cycle Management
  - Fielded systems
  - Developmental programs
- Reprocurements
- Command facilities & supply management

## Tailorable Support Packages

- Simple Maintenance, up through Depot level support
- Major upgrades
- Operators, up through Turn-Key operations

## Focus on

- Customer satisfaction
- Responsiveness to change
- Cost avoidance: labor 96% outsourced

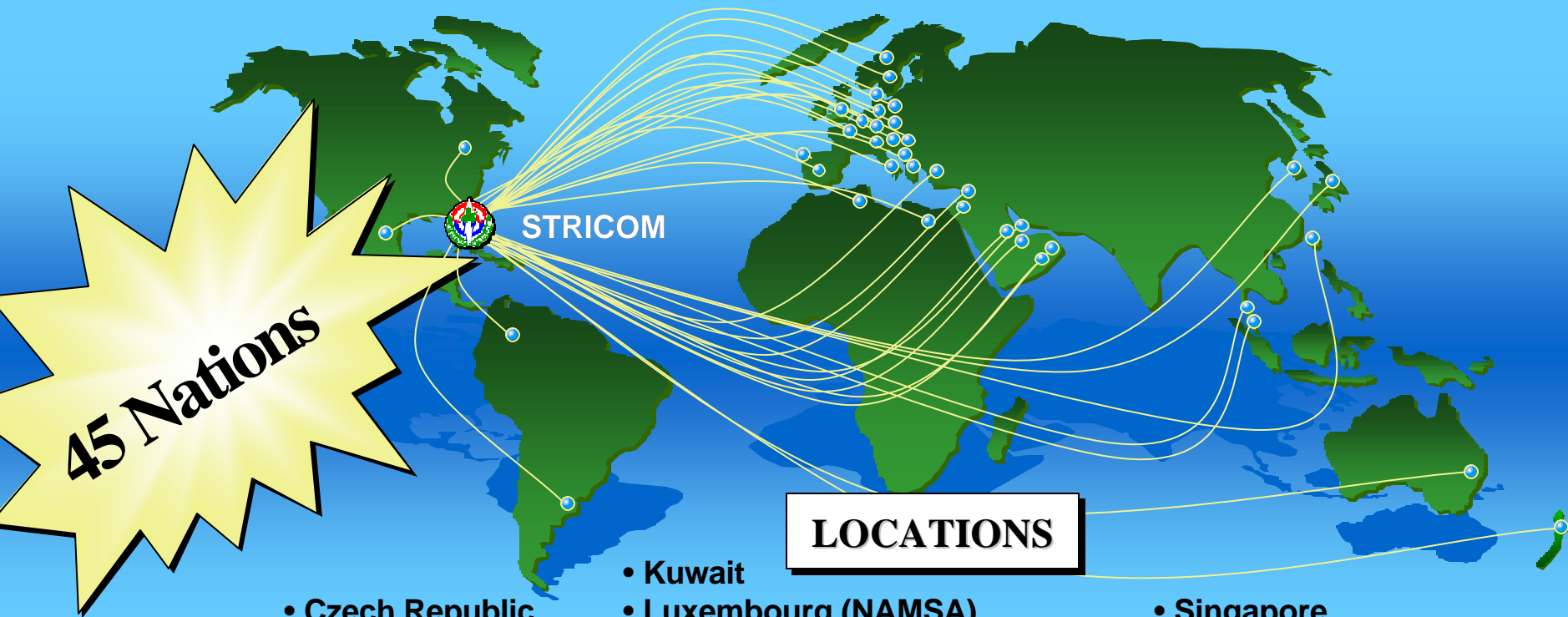
## Total Life Cycle Management

- Obsolescence
- Continuous Technology Refreshment
- Reduce cost of parts
- Extend life of parts





# *STRICOM Security Assistance Impact*



- Argentina
- Australia
- Bahrain
- Belgium
- Bosnia
- Botswana
- Canada
- Colombia
- Croatia

- Czech Republic
- Denmark
- Egypt
- France
- Germany
- Greece
- Indonesia
- Israel
- Italy
- Japan
- Jordan

- Kuwait
- Luxembourg (NAMSA)
- Malaysia
- Mexico
- Morocco
- Netherlands
- New Zealand
- Norway
- Oman
- Poland
- Portugal
- Saudi Arabia

- Singapore
- Slovak Republic
- Slovenia
- Spain
- Sweden
- Switzerland
- Taiwan
- Tunisia
- Turkey
- United Arab Emirates
- United Kingdom



# STRICOM Worldwide Presence

## FMS Locations

- Argentina
- Australia
- Bahrain
- Belgium
- Bosnia
- Botswana
- Canada
- Colombia
- Croatia
- Czech Republic
- Denmark
- Egypt
- France
- Germany
- Greece
- Indonesia
- Israel
- Italy
- Japan
- Jordan
- Korea
- Kuwait
- Luxembourg (NAMSA)
- Mexico
- Morocco
- Netherlands
- New Zealand
- Norway
- Oman
- Poland
- Portugal
- Saudi Arabia
- SANG
- Singapore
- Slovak Republic
- Slovenia
- Spain
- Sweden
- Switzerland
- Taiwan
- Tunisia
- Turkey
- United Arab Emirates
- United Kingdom
- Venezuela



STRICOM

**61**

## Consolidated

## LCCS Sites

### CONUS

37 Locations  
7 Contractors  
1384 Technicians

### Alaska

2 Locations  
3 Contractors  
9 Technicians

### Hawaii

2 Locations  
2 Contractors  
9 Technicians

### Bosnia / Hungary

1 Location  
1 Contractor  
3 Technicians

### Panama

1 Location  
1 Contractor  
2 Technicians

## PM ITTS Offices

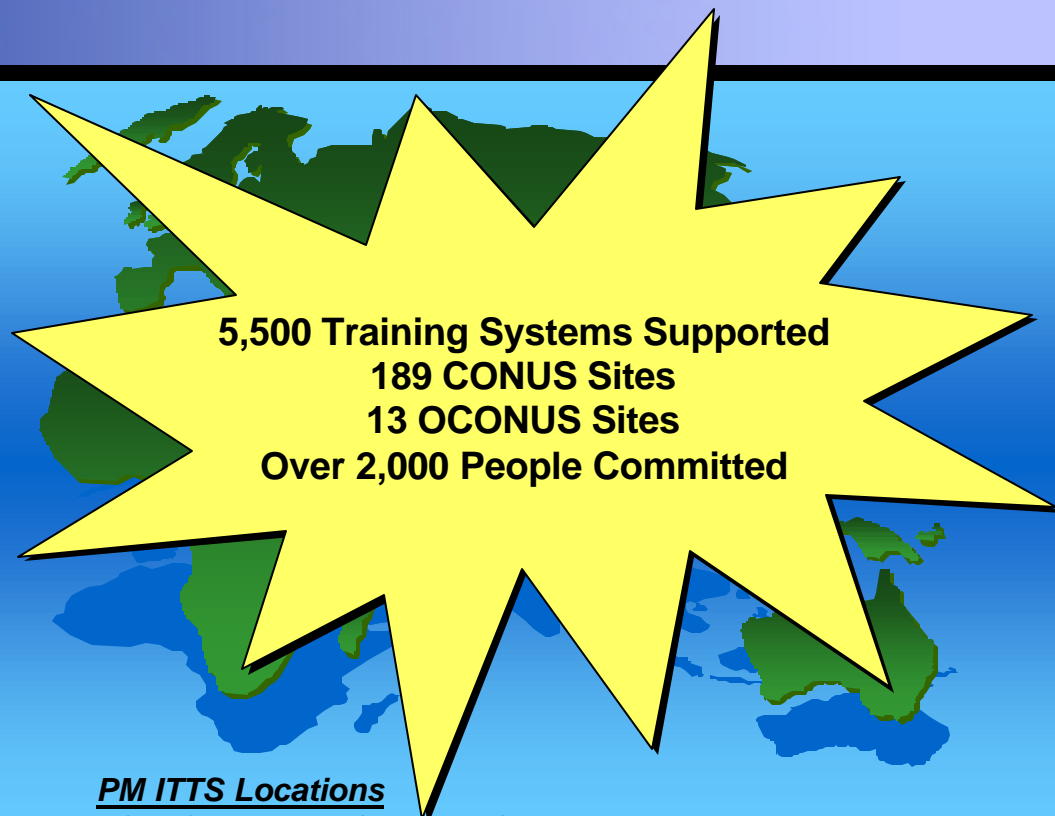
Huntsville, AL - TMO  
Huntsville, AL - TSMO  
Orlando, FL - IMO

### Europe

16 Locations  
6 Contractors  
251 Technicians

### Korea

4 Locations  
6 Contractors  
57 Technicians



**5,500 Training Systems Supported**

**189 CONUS Sites**

**13 OCONUS Sites**

**Over 2,000 People Committed**

## PM ITTS Locations

- STRICOM - PM ITTS, APM ITTS, IMO
- Eglin AFB - Chicken Little, GPS RAJPO, NGTCS JPO
- Redstone Arsenal - RTTC, TMO, TMSO
- Ft. Polk - JRTC
- Ft. Hood - TEXCOM, III Corps
- Ft. Bliss - OTSA, ADA
- Ft. Bliss - WSMR, SLAD
- Ft. Huachuca - WSMR-EPG, INSBD
- Arizona YPG
- Ft. Irwin - NTC
- Ft. Hunter-Liggett - TEC
- Ft. Ord
- Ft. Lewis
- Ft. Carson
- Ft. Riley

- Ft. Belvoir / APG - APM Technology, TECOM, ARL, CSTA
- OPTEC
- Pax River NAS - CAIS JPO
- Camp Lejeune
- Ft. Stewart

## Combat Training Centers

- Ft. Irwin
- Ft. Polk
- Ft. Leavenworth
- Hoenfels, Germany

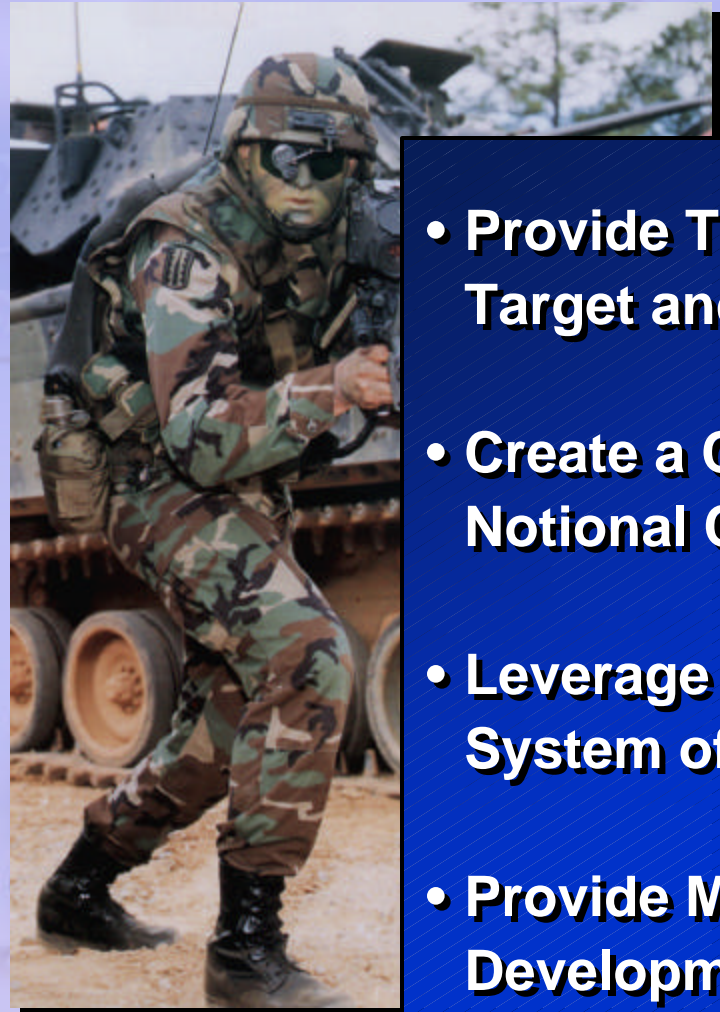




# ***STRICOM Mission***

## ***On Point for the Army to:***

- **Provide Training & Test Simulation, Simulators, Target and Instrumentation Products & Services**
- **Create a Common Synthetic Environment to Test Notional Concepts & Support R&D Designs**
- **Leverage Live, Virtual and Constructive to Develop a System of Systems that Train the Way We Fight**
- **Provide Materiel Life Cycle Support from Concept Development through Disposal**





# ***Interservice/Industry Training, Simulation & Education Conference (I/ITSEC)***

***26-29 November 2001***

***Orange County Convention Center - Orlando***



## **2001 Theme**

**“Warfighting readiness through  
Innovative Training Technology”**

**14,500  
Attendees**

**500,000  
Square Feet of  
Exhibits**

**Great Opportunities for:**

**Papers**

**Posters**

**Tutorials**

**Special  
Events**

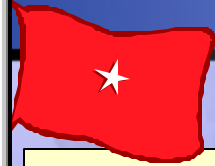
**Exhibits**

***Interservice / Industry Training, Simulation & Education Conference***





# Leveraging and Outsourcing



Organization

**US Army STRICOM**

**Industry/Academia**

**Other Government Agencies**



Core Competencies

**Tech Base (Dollars)**

12%

88%

0%

**Acquisition Contracting (Man Years)**

44%

0%

56%

**Logistics (Man Years)**

4%

96%

0%

**IT (Man Years)**

18%

82%

0%

**Base Ops (Man Years)**


1%

0%

99%



# Value of Modeling and Simulation

Costly	Potentially Dangerous	Geographic & Environment Constraints
	Resource Intensive	Lack of Shared Learning
Without Simulation		

Trained to an Unconstrained System Capability
With Simulation

Trained to a Constrained System Capability

	Without Simulation	With Simulation	Effectiveness
Close Combat Tactical Trainer (CCTT)	@ NTC	@ NTC	89% More Effective
Tank Gunnery Exercise	\$ 21,000	\$ 11	25% Faster
ABRAMS Tank Driver Trainer (1.0 mile)	\$ 75	\$ 5	Certification
Simulation Based Weapon Design Aircraft Parts	2000 hrs	700 hrs	Less Rework




# ***Simulation and Training***

A *Key* Enabler  
for  
Army Transformation





# Want More? . . . See **STRICOM** Homepage



## U.S. ARMY STRICOM

Soldier standing with gun in hand against the backdrop of the virtual battlespace

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[Personnel Issues](#)

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### STRICOM News [ [Archive](#) ]

#### **Candy Bar Seminar, 21 September 2001**

Topic: Video on Demand by Concurrent Computer Corporation

Date: Friday, Sept. 21, 2001 from 1400-1600 HRS

Location: Central Florida Development Center (STRICOM Innovation Center)  
12423 Research Parkway (old Pulau Bldg.)

POC for Attendance: [charlie\\_goodwin@stricom.army.mil](mailto:charlie_goodwin@stricom.army.mil)

[ [more...](#) ]

#### **Sources Sought for MK-19 Grenade Machine Gun (GMG) Tactical Engagement Simulator (TES) for the Interim Armored Vehicle (IAV).**

The U.S. Army Simulation, Training and Instrumentation Command (STRICOM) is issuing a request for Sources Sought. Interested Contractors are asked to prepare a paper with a Not-to-Exceed amount of 2 pages to address potential solutions to meet the required and desired characteristics of the MK-19 Grenade Machine Gun Tactical Engagement Simulator. Responses are due to STRICOM on or before 14 September 2001.

[ [more...](#) ]

#### **The STRICOM FY00 Annual Report is now available.**


This is our eighth annual report as Simulation, Training and Instrumentation Command (STRICOM). Dynamic changes in technology and interactive media already alter the way our Army operates, and it is even more vital to the way we train, test and support our soldiers around the world. STRICOM continues to evolve not only to keep pace, but also to lead the way in the simulation and modeling world of rapid technology changes.

[ [more...](#) ]

#### **Orlando High-tech Corridor Celebrates a Grand Opening**


Orlando once again proved it is the world's hub for simulation and training as Congressman Ric Keller, Lt. Gov. Frank Brogan and Florida House Speaker Tom Feeney participated in the grand opening celebration of the Central Florida Technology Development Center (TDC). The U.S. Army Simulation, Instrumentation, and Training Command (STRICOM), the University of Central


### U.S. Army Links

  
**Caliko**  
The Army Portal


[Army Knowledge Online](#)

  
Department of the Army

  
U.S. Army Materiel Command

  
**STRICOM VISION**  
On Point for the Army in  
Interoperable Training, Testing,  
Instrumentation, and Simulation  
Solutions for the Army's Transformation  
to the Objective Force!

### Accessibility



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